Cherokee Information Services, Inc. **Briefing to OSJTF** Implementing a CADM Compliant EIA September 22, 2005

Topic

Discuss the current benefits and issues using CADM data to create ISPs and improve tool interoperability inside and outside of DCGS-A (e.g., FCS, NCES, DIB).

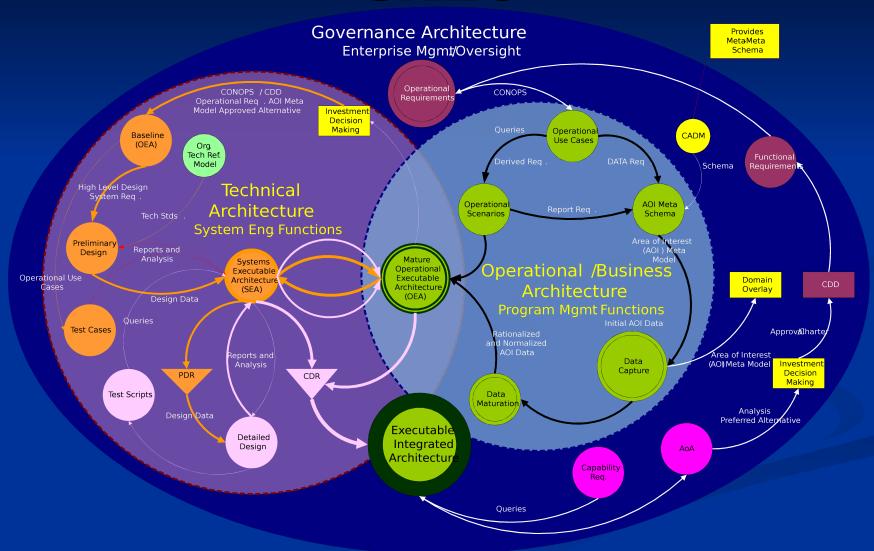
Issues

- CADM provides a physical schema which can enable better analysis.
 - CADM provides the basic elements of the operational and systems architecture which provides part of the core information to support analysis required in the ISP.
 - Doesn't address quality and total lifecycle management attributes.
 - Constraints are manifested in CADM however they exist in current modeling tools and methodology.

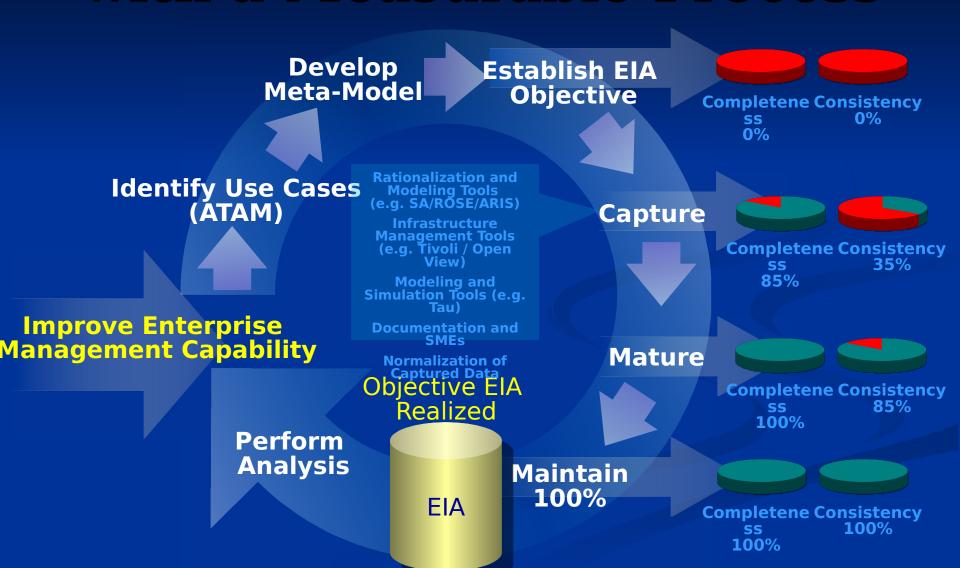
Benefits

- Developing a CADM conforming dB:
 - Focus is shifted to the building not the blueprints.
 - Following the ATAM produces a capability that will satisfy use cases and identify risks.
 - Provides a measurable process in which to evaluate progress towards the end item – an executable integrated architecture.
 - Doesn't eliminate or make obsolete current tools and DoDAF products developed or in process.
 - Provides the capability to developed an analytical environment that is standards based.

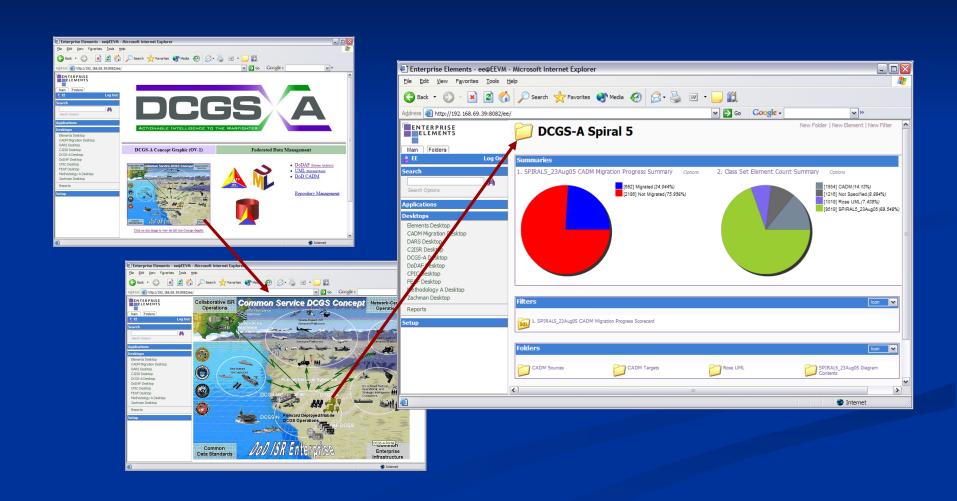
The EIA in the Evolving SALC



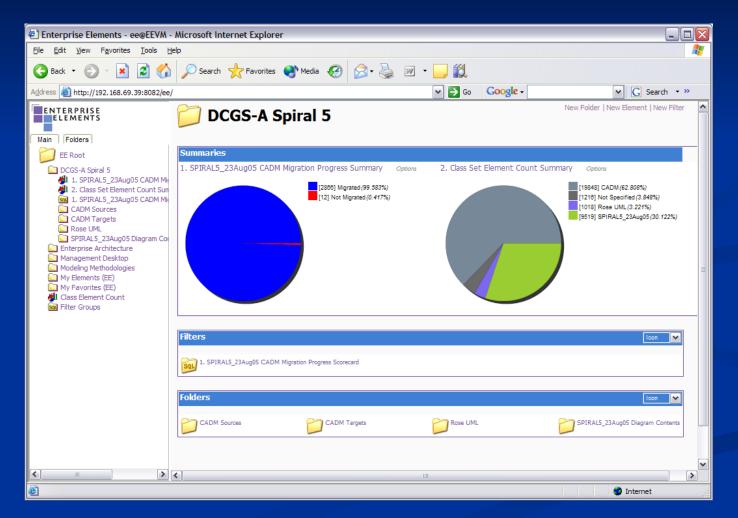
Building an EIA with a Measurable Process



Demonstration: EIA Navigation/Overview

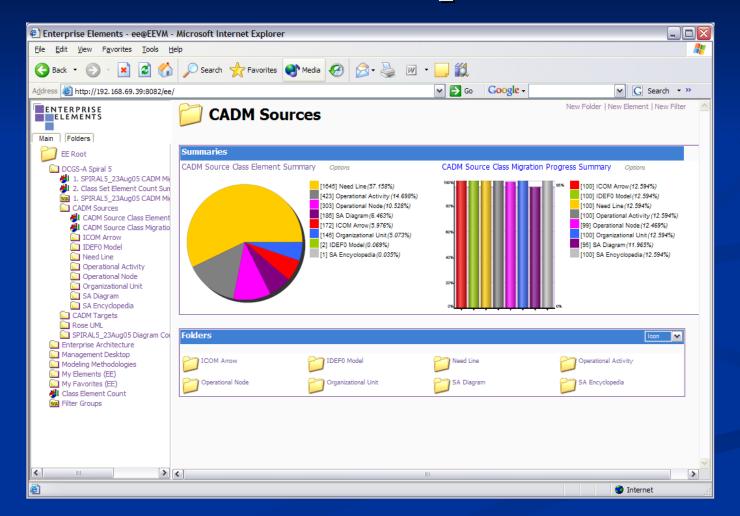


Demonstration: EIA DCGS-A Spiral 5 Overview Desktop Folder

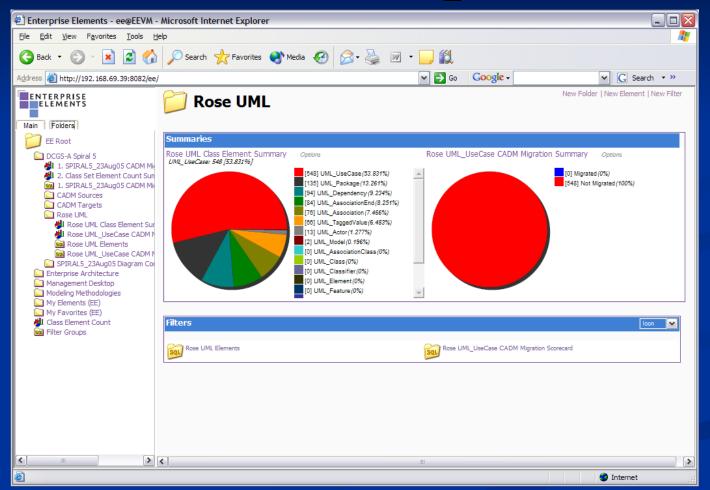


Snapshot of "DCGS-A Spiral 5" Folder After Completion of CADM Migration

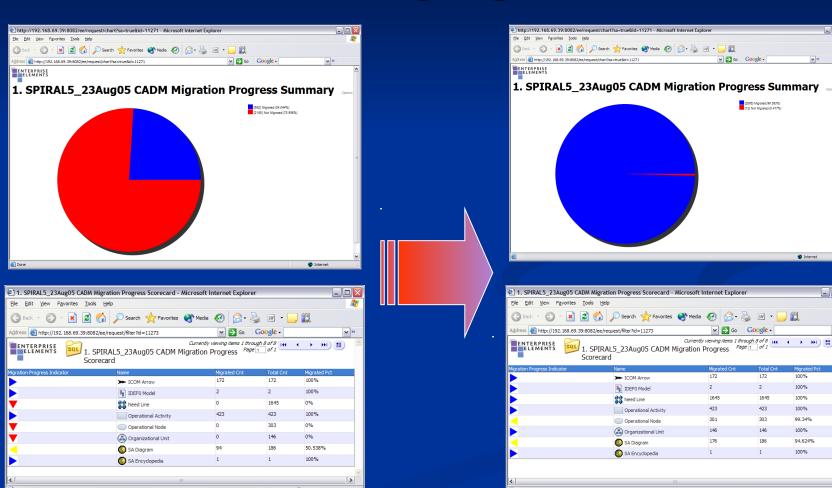
Demonstration: EIA Imported System Architect Data Desktop



Demonstration: EIA Imported Rose Data Desktop



Demonstration: EIA CADM Migration Progress Views



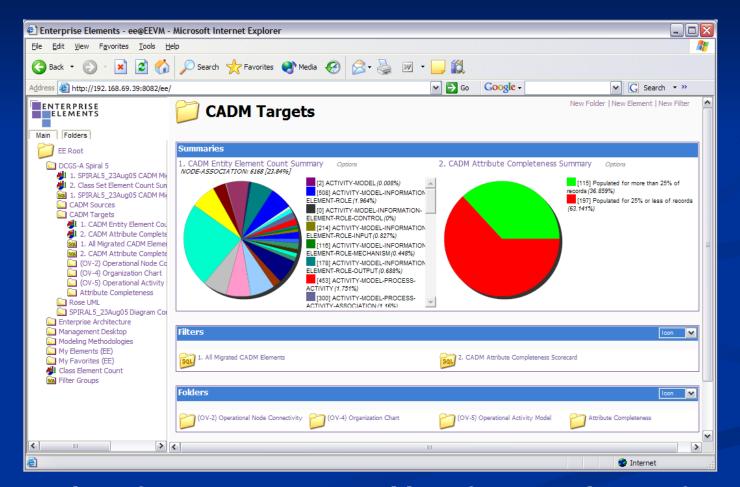
Progress Snapshot Prior to Full Migration

Progress Snapshot After Full Migrati

100%

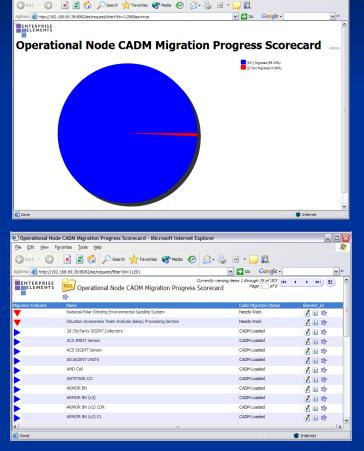
100%

Demonstration: EIA CADM Targets Desktop



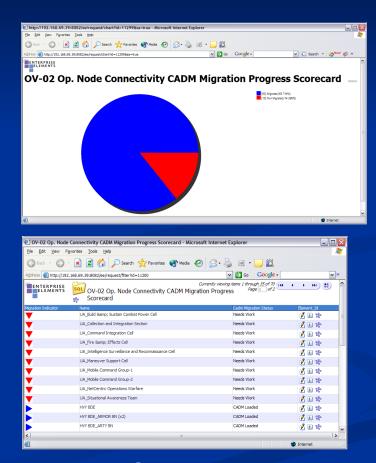
Snapshot of "CADM Targets" Folder After Completion of CADM Migra

Demonstration: EIA Completeness/Gap View/Scorecard



2 Operational Nodes did not migrate due to length of

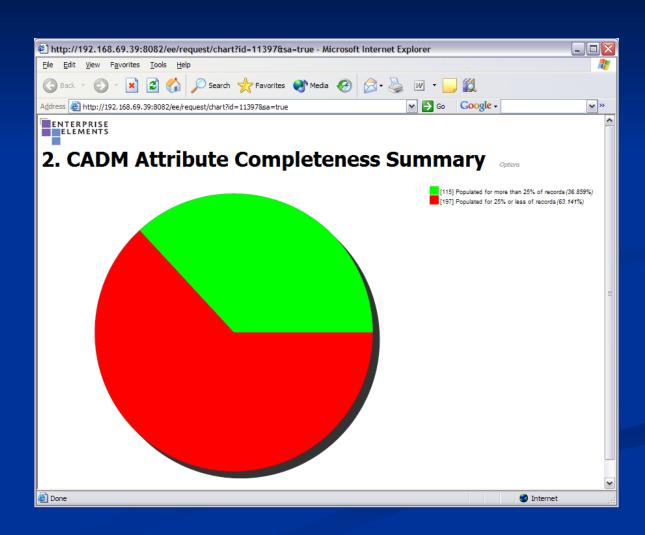
70 0 700 0 im 0 0 0 1 1 70 0 0



10 Op. Node Connectivity Diagrams did not migrate due to Op Nodes

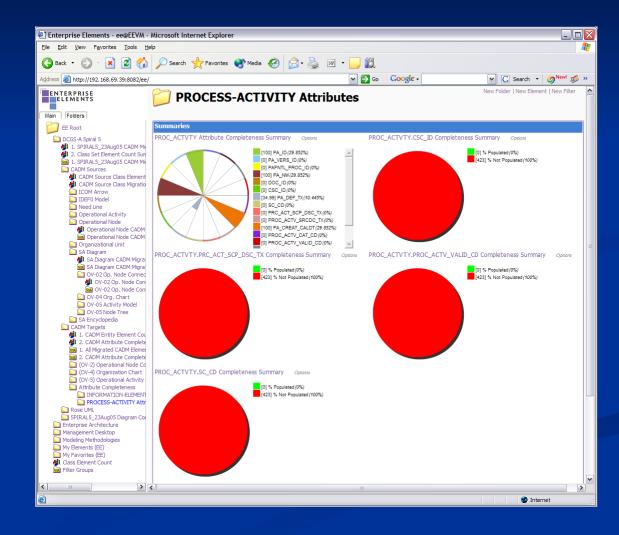
Demonstration: EIA CADM Attribute Completeness

- Example shows
 Attribute
 completeness
 for all populated
 CADM entities
- In this example, if an attribute is populated for more than 25% of possible records, it is included in the "green" wedge
- List type
 attributes set to
 'NOT KNOWN'
 or 'NOT
 SPECIFIED' are
 treated as not
 populated



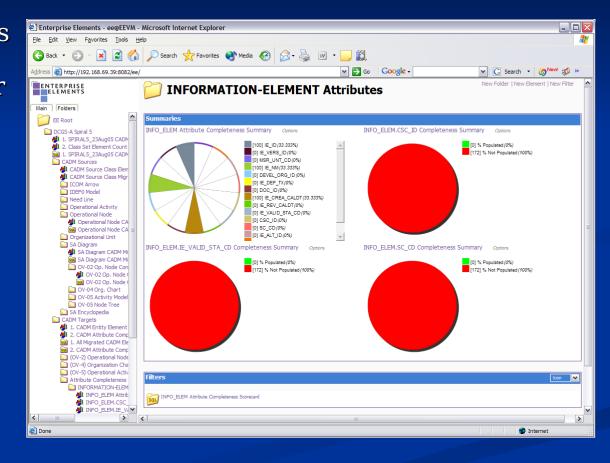
Demonstration: EIA PROCESS-ACTIVITY Attributes of Interest

- First chart shows attribute completeness for all PROCESS-ACTIVITY attributes
- Other charts show completeness summary for the following attributes:
 - CSC ID
 - SC CD
 - PRC_ACT_SCP_DS C TX
 - PROC_ACTV_VALI D CD



Demonstration: EIA INFORMATION-ELEMENT Attributes of Interest

- First chart shows attribute completeness for all INFORMATION-ELEMENT attributes
- Other charts show completeness summary for the following attributes:
 - CSC ID
 - SC CD
 - IE_VALID_STA_CD



Demonstration: EIA CADM XML Export

